

Title (en)
Draw rollers drive

Title (de)
Zugwalzenantrieb

Title (fr)
Entraînement pour rouleaux tendeurs

Publication
EP 0719722 A3 19980121 (DE)

Application
EP 95120211 A 19951220

Priority
DE 4447089 A 19941229

Abstract (en)
[origin: DE4447089C1] The roller drive comprises a ball race gearing (22) which acts as a sensitive adjustment gearing (21), with a tensioning shaft gearing (23) coaxially positioned behind it. The ball race gearing comprises two drive bearing races (28,29) connected directly, or indirectly by a drive shaft (26), to the drive unit. The driven race (41) is connected to the tensioning shaft gearing which consists of an elliptical cam disc (47), an elastic planetary wheel (56) with inner and outer cogging, an inner-toothed sun wheel (59), and an outer-toothed spur wheel (57).

IPC 1-7
B65H 23/188; **B41F 13/02**; **F16H 37/02**

IPC 8 full level
B41F 13/00 (2006.01); **B41F 13/02** (2006.01); **B65H 23/188** (2006.01); **F16H 15/52** (2006.01)

CPC (source: EP US)
B41F 13/02 (2013.01 - EP US); **B65H 23/188** (2013.01 - EP US); **B65H 2402/00** (2013.01 - EP US)

Citation (search report)

- [X] DE 9302373 U1 19930519
- [A] DE 3706716 A1 19880915 - PLANETROLL ANTRIEBE GMBH [DE]
- [A] GB 1442248 A 19760714 - FRANKENTHAL AG ALBERT
- [A] DE 2316518 A1 19741024 - KOERNER HELMUT
- [DA] DE 2328949 A1 19750102 - MASCHF AUGSBURG NUERNBERG AG

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
DE 4447089 C1 19960208; EP 0719722 A2 19960703; EP 0719722 A3 19980121; JP H08230145 A 19960910; US 5680979 A 19971028

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DE 4447089 A 19941229; EP 95120211 A 19951220; JP 33715295 A 19951225; US 57788195 A 19951222